

## ABSTRACT OF THE DISCLOSURE

A support system realizing reduction of a period of developing an embedded software and minimization of the number of designing steps to increase the developing efficiency by concurrently executing the designing of a mechanism and the developing of the embedded software. The system includes a three-dimensional-mechanism model simulating section, in which the mechanism is structured as a three-dimensional-mechanism model, for simulating an operation of the mechanism, an embedded software developing section for developing a control program to control the designing and operation of the mechanism in parallel to each other, a first interface section for inputting designing data from the mechanism designing section to the three-dimensional-mechanism model simulating section for being dynamically reflected on the three-dimensional-mechanism model, and a second interface section for transferring data between the three-dimensional-mechanism model simulating section and the embedded software developing section while synchronizing these two sections to each other. This system is useful when applied in developing a control program (embedded software) to be embedded in a mechanism, such as CD changer, MD changer, printer or manipulator, which includes at least an actuator and a sensor and produces a three-dimensional motion.